

Swanson, Greg

From: Sam Ortega [sam.ortega@msfc.nasa.gov]
Sent: Tuesday, October 23, 2001 9:16 AM
To: David Richardson
Cc: eric.poole@msfc.nasa.gov; Greg.Swanson@msfc.nasa.gov
Subject: Re: Fracture TIM

Dave-

The question that remained after the TIM was "Are the phenolics fracture sensitive or not?"

The logic flow cart on page 8 of the Nozzle Fracture Control Plan skips all not structural parts from the beginning irregardless of the fact that the loss of the part could be catastrophic as questioned in the diamond of the flow chart. The phenolics should be addressed at least through that diamond.

If the phenolics are fracture sensitive then disposition rationale needs to be developed and placed in the fracture control plan. I would think that the contained/restrained logic could be used to satisfy this.

If they are not fracture sensitive then the rationale as to why should be included.

All of this is an effort to close the concern for good by documenting it in the Nozzle Fracture Control Plan.

I'll be at SORI for a phenolics material TIM today and tomorrow. If you have any questions you can call Eric at 256 544-2723 or me on my cell phone 256 348-1794.

If I don't hear from you I'll give a call Thursday to see how things are.

Thanks,
Sam

>As you recall there were questions in the Fracture TIM about the
>fracture critical nature of the Phenolics and Adhesives in the RSRM
>nozzle. Do you know what the final conclusions were from the FCB?
>We would like to close out the issue ASAP, and need to know what
>questions we should address.

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>David Richardson
>(435) 863-6995
>david.richardson@thiokol.com

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RSRM/Nozzle Subsystem Engineer
voice 256-544-9294
fax 256-544-5177
pager 800-946-4646 Pin 144-6522